

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	80372	interfer or interfere or interfering or interference or interferometer or interferometric or interferometrically or interferogram	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:02
L2	87428	amplified or amplifying or amplification	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:04
L3	6220	spontaneous or spontaneously or spontaneity	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:04
L4	209247	emit or emitting or emission	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:02
L5	1564	1 and 2	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:02
L6	6	5 and 3	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:03
L8	94	5 and 4	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:03
L9	5	8 and 3	EPO; JPO; IBM_TDB	OR	ON	2006/03/24 15:03
L10	19874	(interfer or interfere or interfering or interference or interferometer or interferometric or interferometrically or interferogram).clm.	US-PGPUB	OR	ON	2006/03/24 15:04
L11	20933	(amplified or amplifying or amplification).clm.	US-PGPUB	OR	ON	2006/03/24 15:04
L12	1456	(spontaneous or spontaneously or spontaneity).clm.	US-PGPUB	OR	ON	2006/03/24 15:04
L13	48892	(emit or emitting or emission).clm.	US-PGPUB	OR	ON	2006/03/24 15:04
L14	707	10 and 11	US-PGPUB	OR	ON	2006/03/24 15:05
L15	100	14 and 13	US-PGPUB	OR	ON	2006/03/24 15:05
L16	23	15 and 12	US-PGPUB	OR	ON	2006/03/24 15:05
S1	717904	interfer or interfere or interfering or interference or interferometer or interferometric or interferometrically or interferogram	US-PGPUB; USPAT	OR	ON	2006/03/24 15:04
S2	363544	amplified or amplifying or amplification	US-PGPUB; USPAT	OR	ON	2006/03/24 15:02
S3	101653	spontaneous or spontaneously or spontaneity	US-PGPUB; USPAT	OR	ON	2006/03/24 15:02
S4	529121	emit or emitting or emission	US-PGPUB; USPAT	OR	ON	2006/03/24 15:04
S5	3434	S2 with S3	US-PGPUB; USPAT	OR	ON	2006/03/22 11:36

## EAST Search History

S6	2949	S5 with S4	US-PGPUB; USPAT	OR	ON	2006/03/22 11:36
S7	8425	S6 or "ase"	US-PGPUB; USPAT	OR	ON	2006/03/22 11:36
S8	4004	S1 and S7	US-PGPUB; USPAT	OR	ON	2006/03/22 11:36
S9	1374	S1 and S6	US-PGPUB; USPAT	OR	ON	2006/03/22 11:36
S10	438546	intensity	US-PGPUB; USPAT	OR	ON	2006/03/22 11:37
S11	2633	S8 and S10	US-PGPUB; USPAT	OR	ON	2006/03/22 11:37
S12	963	S9 and S10	US-PGPUB; USPAT	OR	ON	2006/03/22 11:37
S13	640	"mopa" or (master adj oscillatory adj power adj amplifier)	US-PGPUB; USPAT	OR	ON	2006/03/22 11:37
S14	68	S8 and S13	US-PGPUB; USPAT	OR	ON	2006/03/22 11:41
S15	40	S9 and S13	US-PGPUB; USPAT	OR	ON	2006/03/22 11:38
S16	19	356/450-456.ccls. and S8	US-PGPUB; USPAT	OR	ON	2006/03/22 12:54
S17	18	356/450-456.ccls. and S9	US-PGPUB; USPAT	OR	ON	2006/03/22 11:47
S18	45	"250"/\$.ccls. and S9	US-PGPUB; USPAT	OR	ON	2006/03/22 11:47
S19	67	"250"/\$.ccls. and S8	US-PGPUB; USPAT	OR	ON	2006/03/22 12:25
S20	2560	amplified adj spontaneous adj emission	US-PGPUB; USPAT	OR	ON	2006/03/22 12:25
S21	1228	S1 and S20	US-PGPUB; USPAT	OR	ON	2006/03/22 12:25
S22	40	S13 and S21	US-PGPUB; USPAT	OR	ON	2006/03/22 12:39
S23	182	"356"/\$.ccls. and S20	US-PGPUB; USPAT	OR	ON	2006/03/22 13:54
S24	667	"372"/\$.ccls. and S20	US-PGPUB; USPAT	OR	ON	2006/03/22 12:40
S25	19	"356"/450-456.ccls. and S20	US-PGPUB; USPAT	OR	ON	2006/03/22 12:53
S26	8	("20020071468" "20020154671" "5 559815" "6240110" "6549555" "656 7450" "6590922" "6690704").PN.	US-PGPUB; USPAT	OR	ON	2006/03/22 12:53

## EAST Search History

S27	445	"372"/\$.ccls. and S8	US-PGPUB; USPAT	OR	ON	2006/03/22 12:55
S28	380	"372"/\$.ccls. and S9	US-PGPUB; USPAT	OR	ON	2006/03/22 12:55
S29	341	"372"/\$.ccls. and S11	US-PGPUB; USPAT	OR	ON	2006/03/22 12:55
S30	296	"372"/\$.ccls. and S12	US-PGPUB; USPAT	OR	ON	2006/03/22 13:37
S31	429370	spectra or spectrum or spectral	US-PGPUB; USPAT	OR	ON	2006/03/22 13:37
S32	1454	S11 and S31	US-PGPUB; USPAT	OR	ON	2006/03/22 13:37
S33	799	S12 and S31	US-PGPUB; USPAT	OR	ON	2006/03/22 13:37
S34	121	"356"/\$.ccls. and S32	US-PGPUB; USPAT	OR	ON	2006/03/22 13:59
S35	105	"356"/\$.ccls. and S33	US-PGPUB; USPAT	OR	ON	2006/03/22 13:54
S36	2	((("6243405") or ("6243406")).PN.	US-PGPUB; USPAT	OR	OFF	2006/03/22 13:59
S37	15	("6243406").URPN.	USPAT	OR	ON	2006/03/22 15:28
S38	1	("4905243").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/22 15:28
S39	2560	amplified adj spontaneous adj emission	US-PGPUB; USPAT	OR	ON	2006/03/24 09:03
S40	57389	spectrometer	US-PGPUB; USPAT	OR	ON	2006/03/24 09:03
S41	198	S39 and S40	US-PGPUB; USPAT	OR	ON	2006/03/24 09:03
S42	718875	interfer or interfere or interfering or interference or interferometer or interferometric or interferometrically or interferogram	US-PGPUB; USPAT	OR	ON	2006/03/24 09:03
S43	151	S41 and S42	US-PGPUB; USPAT	OR	ON	2006/03/24 09:04
S44	19	356/450-456.ccls. and S39	US-PGPUB; USPAT	OR	ON	2006/03/24 10:20
S45	34	372/32.ccls. and S39	US-PGPUB; USPAT	OR	ON	2006/03/24 10:20




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**Scholar** Results 1 - 10 of about 2,280 for **amplified spontaneous emission interferometer**. (0.12 seconds)

**Reduction of Amplified Spontaneous Emission from a Transmitted Soliton Signal Using a Nonlinear ... - group of 4 »**

I INTRODUCTION - IEEE JOURNAL OF QUANTUM ELECTRONICS, 1994 - [ieeexplore.ieee.org](#)  
 Page 1 1842 IEEE JOURNAL OF QUANTUM ELECTRONICS, VOL 30, NO.8, AUGUST 1994  
 0018-9197/94\$04.00 © 1994 IEEE Reduction of **Amplified Spontaneous Emission** from ...  
 Cited by 15 - [Web Search](#) - [BL Direct](#)

**Phase-Coherent Amplification of Matter Waves - group of 14 »**

M Kozuma, Y Suzuki, Y Torii, T Sugiura, T Kuga, EW ... - Nature, 1985 - [dbs.cu-tokyo.ac.jp](#)  
 ... phenomenon analogous to strongly **amplified spontaneous emission** (ASE) (16 ... determine  
 whether our **amplified** matter wave ... novel Mach-Zehnder **interferometer** (7) (Fig ...  
 Cited by 86 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

**... /s (64× 42.7 Gb/s) transmission over 40× 100 km NZDSF using RZ-DPSK format and all-Raman-amplified ... - group of 4 »**

AH Gnauck, G Raybon, S Chandrasekhar, J Leuthold, ... - Optical Fiber Communication Conference (OFC) - [lucent.com.au](#)  
 ... reduced nonlinear effects [8]. However, no **amplified spontaneous emission** noise  
 was ... differentially encoded to accommodate delay-**interferometer** demodulation at ...  
 Cited by 92 - [View as HTML](#) - [Web Search](#)

**... system for simultaneous interrogation of distributed strain and temperature sensing by spontaneous ... - group of 8 »**

HH Kee, GP Lees, TP Newson - OPTICS LETTERS, 2000 - [ol.osa.org](#)  
 ... Use of a fiber Mach-Zehnder **interferometer** provides com- parable rejection ... to gate  
 the pulse and to filter the **amplified spontaneous emission** generated by ...  
 Cited by 15 - [Web Search](#) - [BL Direct](#)

**Effect of saturation caused by amplified spontaneous emission on semiconductor optical amplifier ... - group of 3 »**

T Liu, K Obermann, K Petermann, F Girardin, G ... - Electron. Lett, 1997 - [ieeexplore.ieee.org](#)  
 ... sensor utilising an all-fibre Mach-Zehnder **interferometer**, Electron. ... 1280 Effect  
 of saturation caused by **amplified spontaneous emission** on semiconductor ...  
 Cited by 6 - [Web Search](#) - [BL Direct](#)

**... regenerative wavelength conversion using semiconductor optical amplifier based interferometer - group of 4 »**

AE Kelly, ID Phillips, RJ Manning, AD Ellis, D ... - ELECTRONICS LETTERS, 1999 - [ieeexplore.ieee.org](#)  
 ... Furthermore, the **interferometer** is insensitive to the polarisation state of ... as timing  
 jitter, the build-up of **amplified spontaneous emission**, and imperfections ...  
 Cited by 35 - [Web Search](#) - [BL Direct](#)

**Single-frequency master-oscillator fiber power amplifier system emitting 20 W of power - group of 3 »**

S Hofer, A Liem, J Limpert, H Zellmer, A ... - OPTICS LETTERS, 2001 - [ol.osa.org](#)  
 ... frequency operation is verified by a Fabry-Perot **interferometer** with a ... nm, and confirms  
 that there is suppression of **amplified spontaneous emission** of 45 dB. ...  
 Cited by 17 - [Web Search](#) - [BL Direct](#)

Soliton squeezing at the gigahertz rate in a Sagnac loop - group of 3 »

CX Yu, HA Haus, EP Ippen - OPTICS LETTERS, 2001 - ol.osa.org

... The nonlinear Mach-Zehnder **interferometer** is implemented with a Sagnac loop. ... noise cancellation is tested with an **amplified spontaneous emission** noise source ...Cited by 17 - Web Search - BL Direct**Amplified femtosecond pulses from an Er: fiber system: Nonlinear pulse shortening and self- ... - group of 5 »**

F Tauser, A Leitenstorfer, W Zinth - Opt. Express, 2003 - oe.osa.org

... Here, we present an **amplified** all-fiber laser ... Incoherent scattering processes and **spontaneous emission** might destroy the ... an f-to-2f **interferometer** setup [3 ...Cited by 26 - Web SearchPower-efficient nonreciprocal **interferometer** and linear-scanning fiber-optic catheter for optical ... - group of 3 »

BE Bouma, GJ Tearney - Opt. Lett, 1999 - ol.osa.org

... 5 fiber **amplified-spontaneous-emission** sources ... to developing high-power broad-spectrum optical sources, the low-power efficiency of the **interferometer** used in ...Cited by 43 - Web Search

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**Scholar** Results 1 - 10 of about 77 for **amplified spontaneous emission interferometer mopa**. (0.06 seconds)

1 W of blue 465-nm radiation generated by frequency doubling of the output of a high-power diode ... - group of 3 »

D Woll, B Beier, KJ Boller, R Wallenstein, M ... - Opt. Lett, 1999 - ol.osa.org

... limit of the scanning Fabry-Perot **interferometer**). ... Since the spectrum of the **MOPA** output is ... spectrally narrow band, and **amplified spontaneous emission** P AS ...

Cited by 19 - [Web Search](#) - [BL Direct](#)

Experimental characterization and numerical modelling of an AlGaAs oscillator broad area double pass ... - group of 2 »

E Gehrig, B Beier, KJ Boller, R Wallenstein - Applied Physics B: Lasers and Optics, 1998 - Springer

... performance of a special AlGaAs **MOPA** which consists ... a scanning Fabry-Perot **interferometer** (FSR = 2 ... The power of the **amplified spontaneous emission** (ASE) as ...

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Frequency noise reduction in erbium-doped fiber distributed-feedback lasers by electronic feedback - group of 4 »

GA Cranch - OPTICS LETTERS, 2002 - ol.osa.org

... a gain of 3.8 dB m, which **amplified** the EDFL ... indicate that the contribution to Dv ST of **spontaneous emission** ... by phase locking the laser output **emission** to a ...

Cited by 3 - [Web Search](#) - [BL Direct](#)

... -limited beam and quantum noise measurements in a continuous-wave laser-diode-pumped Nd: YAG **MOPA** ...

S Saraf, AK Sridharan, S Sinha, K Urbanek, RL Byer - eel.iust.ac.ir

... using a Fabry-Perot **interferometer** called a ... the master oscillator in the **MOPA** chain using ... and completely rejects ASE (**amplified spontaneous emission**) and 808 ...

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f1ffHff11f) f1ffftff

D Outcoupled, LOT Substrate - ieeeexplore.ieee.org

... of effects of carrier fluctuation and **amplified spontaneous emission** (ASE). ... diagram of the DOC-**MOPA** is shown ... with a delayed self-homodyne fiber **interferometer**. ...

[Web Search](#)

An alternative approach for microlithography light source

J Bohus, S Szatmári - Applied Physics B: Lasers and Optics, 2005 - Springer

... the average of six shots of the **amplified** seed pulses ... of ASE due to the moderate **spontaneous emission** in the ... of the seed pulses measured by FP **interferometer**. ...

[Web Search](#)

High-power and high-spatial-coherence broad-area power

JR Andrews, GL Schuster - ol.osa.org

... amplifier arm of the **interferometer** and the ... herence degradations due to **amplified spontaneous emission** and the ... for injection-locked or traveling-wave **MOPA's**. ...

[Web Search](#)

Quantum noise measurements in a continuous-wave laser-diode-pumped Nd: YAG saturated amplifier - group of 4 »

S Saraf, K Urbanek, RL Byer, P King - Optics Letters, 2005 - ligo.org  
... Wave Observatory (LIGO) [1]. The LIGO **interferometer** is a ... power noise added by the unavoidable **spontaneous emission** into the spatial mode being **amplified**. ...  
[View as HTML](#) - [Web Search](#)

Narrow spectral linewidth in the far-field zone of active-grating surface-emitting semiconductor ... - group of 2 »

SK Liew, NW Carlson, R Amantea - IEEE PHOTONICS TECHNOLOGY LETTERS, 1993 - ieeexplore.ieee.org  
... the inco- herent DSE and the **amplified** coherent light ... studied, the coherent to **spontaneous emission** ratio has ... diameter single-mode fiber) of the **interferometer**. ...  
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Quantum noise in a continuous-wave laser-diode-pumped Nd: YAG linear optical amplifier - group of 4 »

WM Tulloch, TS Rutherford, EH Huntington, R Ewart, ... - OPTICS LETTERS, 1998 - ol.osa.org  
... measured power noise of the **amplified** signal relative ... both the ampli- fier **spontaneous emission** factor, f ... use in an advanced gravitational-wave **interferometer**. ...  
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